



MiniMAT™ PELgas™ Program



Matheson Tri-Gas developed the PELgas™ program to provide our customers with the highest quality, most convenient and cost-effective calibration standards for Permissible Exposure Limit Monitors.

The PELgas™ program was designed with the environment in mind. PELgas™ mixtures are available with a variety of reactive and nonreactive gas components, traceable to NIST Standard Reference Material. Calibration standards are provided in the MiniMAT™ refillable cylinder that is lightweight (weighing less than 2 lbs.) and very portable. These cylinders are a great alternative to disposable cylinders because the cylinder is continuously reused. In most cases, a MiniMAT™ cylinder contains twice as much product as a normal disposable, rendering fewer changeouts.

To save our customers time and money, Matheson Tri-Gas introduced the "Drop and Swap" program for PELgas™. This program is designed to assist the user in shipping empty cylinders to and from a Matheson facility in a timely, low-cost fashion. The program is simple to use:

1. The customer can buy or rent the cylinder
2. When the cylinder is empty, the customer returns the cylinder to Matheson, in convenient return package
3. Matheson returns a full MiniMAT™ PELgas™ cylinder from our stocked inventory

All shipping is handled via FedEx. The Drop and Swap program eliminates rental, disposal, shipping and freight fees. Since everything is based on an even exchange, the number of cylinders stored at your site becomes limited.

Matheson stocks and inventories each of the following calibration gases. If you do not see the PELgas™ for your application, please contact Matheson.

Note: 6R can be rented by adding an "R" at the end of item code.

Zero Calibration Gases

Gas	Grade	Item Code*	Contents
Air	Zero	G1800298	102 L
Nitrogen	Zero	G2056598	102 L

Two Component Calibration Gases

Benzene PELgas™ Calibration Standards

Concentration	Balance Gas	Item Code*	Contents
1 ppm	Air	G2659274	102 L

1,3-Butadiene PELgas™ Calibration Standards

Concentration	Balance Gas	Item Code*	Contents
0.5 ppm	Nitrogen	G0863398	102 L
1 ppm	Nitrogen	G0863498	102 L

n-Butane PELgas™ Calibration Standards

Concentration	Balance Gas	Item Code*	Contents
0.9 % (50 % LEL)	Air	G2658863	102 L

Carbon Dioxide PELgas™ Calibration Standards

Concentration	Balance Gas	Item Code*	Contents
1000 ppm	Air	G2658869	102 L
2000 ppm	Air	G2658870	102 L

Carbon Monoxide PELgas™ Calibration Standards

Concentration	Balance Gas	Item Code*	Contents
35 ppm	Air	G0861898	102 L
50 ppm	Air	G0861998	102 L
100 ppm	Air	G0862098	102 L
200 ppm	Air	G0863698	102 L
400 ppm	Air	G0863798	102 L

Ethane PELgas™ Calibration Standards

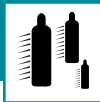
Concentration	Balance Gas	Item Code*	Contents
1.5% (50% LEL)	Air	G0864398	102 L

Hexane PELgas™ Calibration Standards

Concentration	Balance Gas	Item Code*	Contents
400 ppm	Air	G0862198	102 L
0 - 48%	Air	G0862298	18 L

Hydrogen PELgas™ Calibration Standards

Concentration	Balance Gas	Item Code*	Contents
1% (25% LEL)	Air	G2659225	102 L
2% (50% LEL)	Air	G0861798	102 L



MiniMAT™ PELgas™ Program (continued)

Two Component Calibration Gases
(continued)

Hydrogen Sulfide PELgas™ Calibration Standards

Concentration	Balance Gas	Item Code*	Contents
5 ppm	Nitrogen	G2658875	102 L
10 ppm	Nitrogen	G0863598	102 L
15 ppm	Nitrogen	G2658876	102 L
20 ppm	Nitrogen	G0863998	102 L
25 ppm	Nitrogen	G0862698	102 L
50 ppm	Nitrogen	G0862798	102 L
100 ppm	Nitrogen	G0863898	102 L

Isobutylene PELgas™ Calibration Standards

Concentration	Balance Gas	Item Code*	Contents
100 ppm	Air	G2658829	102 L

Methane PELgas™ Calibration Standards

Concentration	Balance Gas	Item Code*	Contents
10 ppm	Air	G2658872	102 L
100 ppm	Air	G2658830	102 L
500 ppm	Air	G2658873	102 L
0.5% (10% LEL)	Air	G0861098	92 L
0.75% (15% LEL)	Air	G0861198	92 L
1.0% (20% LEL)	Air	G0861298	92 L
2.5% (50% LEL)	Air	G0861398	92 L
2.9% (58% LEL)	Air	G0861498	92 L
2.09% (40% LEL)	Air	G2671796	92 L

Nitric Oxide PELgas™ Calibration Standards

Concentration	Balance Gas	Item Code*	Contents
20 ppm	Nitrogen	G0862898	102 L
50 ppm	Nitrogen	G0862998	102 L
75 ppm	Nitrogen	G0863098	102 L

Nitrogen Dioxide PELgas™ Calibration Standards

Concentration	Balance Gas	Item Code*	Contents
10 ppm	Air	G2658458	102 L
20 ppm	Air	G2658462	102 L

Oxygen PELgas™ Calibration Standards

Concentration	Balance Gas	Item Code*	Contents
1 %	Nitrogen	G2658393	102 L
2 %	Nitrogen	G2658394	102 L
8.5 %	Nitrogen	G2658395	102 L
18 %	Nitrogen	G2671947	102 L
20 %	Nitrogen	G2658396	102 L

Pentane PELgas™ Calibration Standards

Concentration	Balance Gas	Item Code*	Contents
0.7% (50% LEL)	Air	G0864498	46 L

Propane PELgas™ Calibration Standards

Concentration	Balance Gas	Item Code*	Contents
266 ppm	Air	G0861598	102 L
0.5% (23.8% LEL)	Air	G2658867	92 L
1% (48% LEL)	Air	G2658866	92 L
1.05% (50% LEL)	Air	G0861698	92 L

Sulfur Dioxide PELgas™ Calibration Standards

Concentration	Balance Gas	Item Code*	Contents
5 ppm	Nitrogen	G2658242	102 L
20 ppm	Nitrogen	G0863198	102 L
35 ppm	Nitrogen	G0863298	102 L

Multicomponent Calibration Mixtures

Component	Concentration	Item Code*	Contents
Methane	1.45 %	G0862398	94 L
Oxygen	15 %		
Nitrogen	Balance		

Component	Concentration	Item Code*	Contents
Carbon Monoxide	50 ppm	G0862498	94 L
Methane	1.25 %		
Oxygen	18 %		
Nitrogen	Balance		

Component	Concentration	Item Code*	Contents
Carbon Monoxide	100 ppm	G0862598	94 L
Methane	2.5 %		
Oxygen	18 %		
Nitrogen	Balance		

Four Gas Mixtures

Item Code	Carbon		Hydrogen			Balance		Contents
	Monoxide	Sulfide	Methane	Pentane	Oxygen	Gas		
GMT105776R	100 ppm	25 ppm	50% LEL	—	21%	Nitrogen	102 L	
GMT105796R	300 ppm	10 ppm	25% LEL	—	15%	Nitrogen	102 L	
GMT105766R	50 ppm	25 ppm	25% LEL	—	18%	Nitrogen	102 L	
GMT105806R	100 ppm	25 ppm	—	25% LEL	19%	Nitrogen	102 L	

Other component concentrations readily available. Please inquire.

Note: 6R can be rented by adding an "R" at the end of the item code.